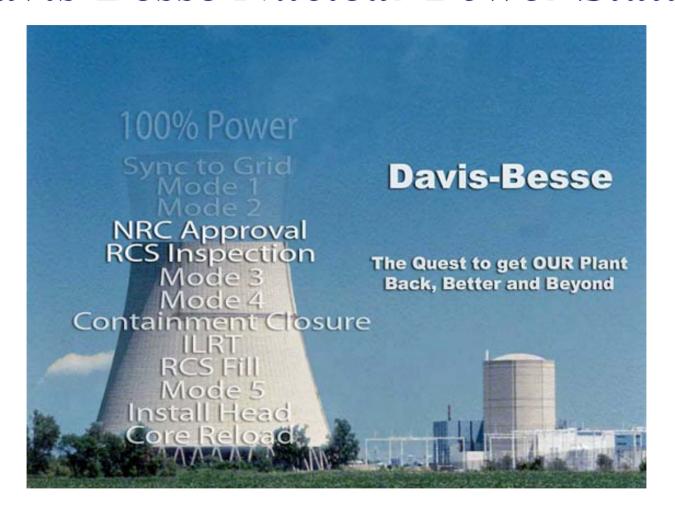


Davis-Besse Nuclear Power Station



Restart Meeting



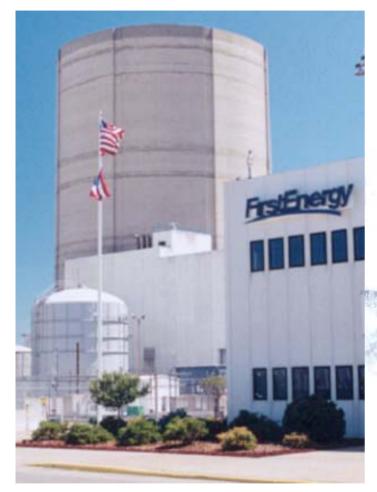
Meeting Agenda

•Introduction	Gary Leidich
•Return to Service Plan	Lew Myers
•Recent Operational Performance	Barry Allen
•Readiness for Plant Operations	Mark Bezilla
•Nuclear Oversight's Assessment for Restart	Fred von Ahn
•Request for Restart	Gary Leidich

Gary Leidich FENOC President and Chief Nuclear Officer



Desired Outcomes



- •Provide an overview of the safety improvements accomplished over the past two years
- •Demonstrate that our people, plant, and programs are ready for safe and reliable operation
- •Request NRC approval for restart

Lew Myers
Chief Operating Officer - FENOC



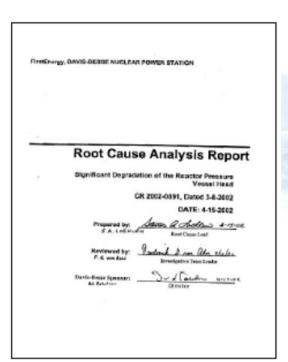
Return to Service Plan



Lew Myers
Chief Operating Officer - FENOC



Results of Root Cause Assessments



- •Completed comprehensive root cause analyses and identified causes:
 - Reactor Pressure Vessel (RPV) head degradation caused by primary water stress corrosion cracking (PWSCC) and boric acid corrosion
 - –Nuclear Safety Focus
 - -Acceptance of degraded conditions
 - -Deficiencies in corrective actions, Engineering analyses, procedure compliance, Quality Assurance (QA) oversight, Operations leadership, and safety focus of Company Nuclear Review Board (CNRB)
- •New management team established to implement Return to Service Plan



Return to Service Plan

Restart Overview Panel

Reactor Head Resolution Plan

Program Contaliance

Containment Health

System riealth Assurance Pian

Restart Action Plan

Kestart Test Plan

Management and Human Porturnance ixcelience Plan



Reactor Pressure Vessel Head Replaced



- •Replacement reactor vessel head fabricated to same ASME Code Edition and Addenda as original
- •Supplemental radiographs satisfactory
- •Pressure tests of Reactor Coolant System (RCS) with new head were acceptable
- •Control Rod Drive Insertion Time Test was successful
- •Reactor Pressure Vessel Head is ready for restart

Reactor Pressure Vessel Head



Containment Health is Excellent



Containment Sump



FLÜS Online Leak Monitoring System

- Upgraded Emergency Containment Sump
- •Installed Decay Heat Valve Tank
- Refurbished Reactor Coolant Pumps
- •Installed FLÜS Leak Monitoring System
- •Installed Permanent Reactor Cavity Seal
- •Replaced Coatings in Containment
- Removed Fibrous Insulation
- Upgraded Cranes and Bridges
- •Sealed Containment Vessel-to-Concrete Interface (inner and outer seals)
- •Performed Integrated Leak Rate Test
- •Ensured Fuel Integrity



Containment Extent of Condition Identified and Corrected



Containment Air Coolers



Decay Heat Valve Tank

- •Conducted thorough boric acid and Alloy 600 component inspections
- Corrective Actions included
 - − Repacked ~ 100 valves
 - − Completed ~ 2,500 restart corrective actions
 - Upgraded Containment Air Coolers
 - Replaced and repaired other components (ductwork, cable trays, coatings)
- Excellent RCS integrity
- •Containment systems, structures, and components are ready for restart



System Health Supports Safe and Reliable Operation



High Pressure Injection Pump



- Completed System Reviews
 - Operational Readiness Reviews performed on 43 plant systems
 - -System Health Readiness Reviews of 31 risk-significant Maintenance Rule systems
 - -Latent Issues Reviews of five systems
 - -Topical Area Reviews
 - -Safety Function Validation Project
- •More than 140 modifications completed to improve Safety and Reliability
- •Plant systems, structures, and components are ready to support safe operation

Emergency Diesel Generator



Programs Meet Regulatory and Industry Standards



Plant Engineering



Fuel Inspection

- •Completed Program Reviews
 - -65 in Phase 1 and 6 in Phase 2
- •Quality Assurance Program also assessed through the Phase 2 Review Process
- More than 600 restart corrective actions completed to improve programs
- Programs meet/exceed regulatory and industry standards
 - Boric Acid Corrosion Control and Leak
 Detection Programs, Employee Concerns,
 Operating Experience, Radiation Protection
- •Plant programs are ready to support safe operation



Management & Human Performance Excellence Plan Anchors Safe Performance



Senior Management Meets with ROP

- •Management/Personnel Development
 - -New corporate management
 - -New plant management
 - -Evaluations of competence of management personnel
- Safety Culture and Safety Conscious Work Environment
- Standards and Decision-Making
- Oversight and Assessments
- Procedure Compliance



Restart Test Plan Demonstrated Plant Integrity



Inspected Incore nozzles (bottom of reactor vessel)

Completed Testing

- -Containment Integrated Leak Rate Test (April 9)
- -RCS 50 psig Test (May 6)
- -RCS 250 psig Test (May 25)
- -RCS Normal Operating Pressure Test (October 2)
 - Heated Reactor Coolant System to
 - ~ 532° using Reactor Coolant Pumps
 - Pressurized Reactor Coolant System to
 - ~ 2155 psi
 - Conducted plant walkdowns
- Excellent RCS integrity



Recent Operational Performance



Barry Allen Plant Manager



Operations Continues to Demonstrate Visible Improvement



Control Room

- •Operations Leadership driving the site
- •Managers are visible in plant enforcing standards
- •Improved Shift Manager oversight
- •Pre-jobs briefs facilitate desired results
- •Reactor Operator's role has been expanded
- Operator ownership and accountability
- Consistent annunciator response
- Detailed operational log keeping
- •Prescriptive implementation of Technical Specifications
- •Plant heat-ups and cool-downs have been successfully completed



Operations has Demonstrated Readiness for Restart

- •NOP Assessment Criteria fully satisfied
 - -No inadvertent safety system actuations...
 - -No significant events...
 - No integrated plant operating procedure content errors...
 - No unplanned entry into technical specifications...
 - -Consistent implementation of Conduct of Operations...
 - Actions taken by management show an improving trend...
 - -Work implementation schedule adherence at 90% or above...
 - -Risk profile matches the schedule...



Control Room



Readiness for Plant Operations



Mark Bezilla
Site Vice President



Effective Barriers Ensure Success



Control Room

- Competent individuals
- Strong programs
- •Effective management
- •Intrusive Independent Oversight

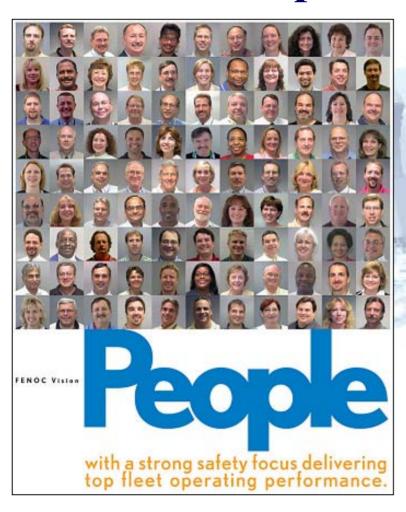
FirstEnergy Integrated Restart Test Plan Assures Safe, Controlled Return to Service

- •Plant is in Mode 3 at Normal Operating Pressure
 - -Plant Systems have been tested and are ready for Mode 2
- •Following NRC Approval for Restart
 - -Complete final Mode 2 Readiness Review and Mode Change Checklist
 - -Enter Mode 2 (Restart)
 - -Enter Mode 1
 - -Management Hold for Effectiveness & Readiness Assessment
 - -Synchronize to the Grid
 - At ~ 50% Power Management Hold for Effectiveness & Readiness Assessment
 - −100% Power Operation
 - -Post-Restart Effectiveness Critiques at two weeks and one month

NOC



Performance Improvement Operational Plan



•Improvement Initiatives

- -Organizational Effectiveness
- -Operations
- -Maintenance
- -Training
- -Work Management
- -Engineering
- Safety Culture
- -Procedures
- -Corrective Action Program
- -Internal and External Oversight



Readiness for Plant Operation

 People, plant, and programs are ready for safe restart



All-Hands Meeting



Employee alignment training



Restart banner signing



Nuclear Oversight's Assessment for Restart



Fred von Ahn Vice President - Oversight



Independent Oversight Conclusions



Senior Management Team with the Restart Overview Panel



Restart Overview Panel Restart Approval

- Nuclear Quality Assurance
 - Return to Service Plan adequately implemented and Davis-Besse is ready for restart
- Company Nuclear Review Board
 - No safety issues preventing restart
- Restart Overview Panel
 - -Davis-Besse is ready for restart

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Independent Oversight Assures Continued Improvement After Restart



Quality Assurance Oversight

- •QA and CNRB Oversight
- •Corporate Collective Significance Assessments
- •External Focused Assessments
 - Safety culture
 - Engineering quality
 - -Corrective Action Program



Request for Restart



Gary Leidich President and Chief Nuclear Officer



FENOC Respectfully Requests NRC Approval for Restart



- Management team strengthened
- People, plant, and programs are ready for safe, reliable operations
- •Established a foundation for sustained, long-term safety performance
- Strong corporate governance and oversight
- •Established a strong safety focus